Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/12/2018 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124232	-1	2.18	124288	2.15
Blue	F	SSC	125000	124113	-1	3.97	124847	3.85
Blue	E	FITC	15492	14971	-4	3.81	348	21.00
Blue	D	PE	28736	28185	-2	3.14	621	16.08
Blue	B	PerCP-Cy5-5	41413	41170	-1	4.72	1122	22.73
Blue	A	PE-Cy7	31321	31405	0	7.20	574	47.49
Red	C	APC	41673	40757	-3	2.99	1575	13.20
Red	A	APC-Cy7	29962	29460	-2	2.93	743	13.74
Violet	B	V450	8318	7915	-5	4.31	439	14.05
Violet	A	V500	34199	33198	-3	4.07	799	10.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20500	3.51	605	-8	N/A	N/A	Pass
Blue	F	SSC	56110	3.37	573	5	N/A	N/A	Pass
Blue	E	FITC	58	76.03	554	-7	0.0189	305	Pass
Blue	D	PE	122	57.86	554	-6	0.1433	322	Pass
Blue	B	PerCP-Cy5-5	212	54.29	660	-7	0.0076	46	Pass
Blue	A	PE-Cy7	115	111.68	715	-7	0.0088	11	Pass
Red	C	APC	361	28.26	597	-4	0.0199	140	Pass
Red	A	APC-Cy7	185	30.04	572	-4	0.0047	713	Pass
Violet	B	V450	65	70.23	468	-9	0.0561	3149	Pass
Violet	A	V500	114	37.44	486	-8	0.0210	998	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.00	-32.53	1.16
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	19.03	13.60 - 20.40	N/A	N/A	29.65	30.12	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9665

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments